File ACT/045/017

Getty

Getty Mining Company | P. O. Box 838, Tooele, Utah 84074-0838 • Telephone (801) 268-4447

Mercur Mine

RECEIVED
MAR 28 1985
DIVISION OF OIL
GAS & MINING

March 18, 1985

Mr. Ronald W. Daniels
Acting Administrator
Mineral Resource Development & Reclamation Program
State of Utah Natural Resources
Division of Oil, Gas, & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Ron:

SUBJECT: Annual Report MR-3, Mercur Project, ACT/045/017, Tooele County, Utah

Please find attached the above noted document prepared for 1984. Also submitted for your information as Attachment 2 is the 1984 Drilling Report for Mercur. Both documents should provide the Division all necessary information on the activity at Mercur.

Please contact me at extension 313 in the event you have any questions.

Thank you for your consideration.

Sincerely,

GEurick

Glenn M. Eurick
Environmental & Occupational Health Coordinator

GME/cg

Attachments

MR Form 3
(Revised 1984)

ANNUAL OPERATIONS AND PROGRESS REPORT

From Month/Year 1/84
to Month/Year 12/84

(To be submitted for each mining operation at the end of each calendar year to the Division at this address:)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

OPERATOR: Getty Mining Company MINE NAME: Mercur

ADDRESS: P.O. Box 838
Tooele, Utah 84074

PERMIT NUMBER AND DATE OF PERMIT: ACT/045/017 7/13/83

REPRESENTATIVE: Glenn M. Eurick, Environmental/Occupational Health Coord.

All or parts of:
SECTION(S): 4,5,6,7,8,9 TOWNSHIP(S): 6S RANGE(S): 3W

MINERAL(S) MINED: Gold

STATE AND/OR FEDERAL MINERAL LEASE NUMBERS: N/A

SPECIAL USE PERMITS AND/OR RIGHTS-OF-WAY: BLM R.O.W. 8U-47282
Tooele County Cond. Use: 700-81 Also Zoning, Road R.O.W. & Maint. Agree

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

*As of 12-31-84

* Disturbance	Acreage
Pit	99.5
Roads	27.8
Facilities	30
Waste Dumps w/Faces	102.5
Other	± 400 Includes Tailings, Sed. Ponds, New Topsoil Stripped Areas, Topsoil Piles

(b) Tabulation of acreage affected to date (by years).

Date by Year	Acreage (Total
1975	--
1976	--
1977	--
1978	--
1979	--
1980	--
1981	--
1982	--
1983	Total All Areas to Date ± 660 Est.

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

SOIL TABULATION CHART

Area Affected (in mining sequence) (If more space is needed, please attach.)	Area 1	2	3	etc.
Acreage of Area				
Depth of Topsoil Removal (inches)	± 10" Avg. All Areas			
Depth of Topsoil Replacement (inches)*	None to Date			
Estimate of Topsoil Volume Salvaged (yd^3 or ac ft)	500,000±			
Volume Actually Salvaged (yd^3 or ac ft)	473,412 B.C.Y. Total to Date			
Volume Required for Reclamation (yd^3 or ac ft)	Unknown - Subject to Experim.			
Surplus or Deficit Volume (yd^3 or ac ft)	Unknown			
Storage Status (short- or long-term)	Unknown			

Soil Tabulation Chart (continued)

Area Affected (in mining sequence)	Area 1	2	3	etc.
Storage Location	Unchanged from 1983			
Area Where Soil Has Been Used (if not stored)	None			
Running Total (all stockpiles) (yd^3 or ac ft)	473,412 BCY			
Short-term				
Long-term				

*Of previously stripped area recently reclaimed.

(d) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map.

Area	Date	Acreage
All spoils depicted on attached 1984 disturbance drawing.		

(e) Tabulation of quantity of commodity mined.

	Commodity	Tonnage
		1,356,087 Ore
(Mined)	Ore & Waste	13,179,012 Waste
(Milled)	Ore	1,092,453

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to:

1. Buildings and support facilities.
   None

2. Roads.
   See attached 1984 disturbance map for pit.
   No new support roads.

3. Diversion ditches, collector ditches, interceptor ditches, etc.
None
*Interceptor ditches south of pit not constructed.

4. Culverts.
None

5. Sediment ponds, containment ponds.
None

6. Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).
None

7. Topsoil stockpiles.
No new stockpiles.
Additional topsoil placed on main Mercur pile @ access road, Fall 1984.

(g) Description of any environmental problem areas with a proposed plan for mitigation and illustration on a map, including, but not limited to:

1. Pit stability problems.
None

2. Subsidence.
None. All topsoil piles wet due to above average 1984 precipitation.

3. Accidental water discharge, dam failure, etc.

None

4. Slumping, sliding or erosion.

Minimal

5. Revegetation problem areas.

None

6. Existence and location of unsuitable (toxic) overburden.

None

RECLAMATION: * See Attachment 1

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between:

1. Backfilled, graded and contoured areas.

Area	Acreage
None. See Attachment 1	

2. Topsoiled areas.

Area	Acreage
None. See Attachment 1	

3. Seeded areas.

Area	Acreage
None. See Attachment 1	

4. Reseeded areas (areas previously seeded, then seeded again).

Area	Acreage
None. See Attachment 1	

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map:

Year	Acreage
1975	
1976	
1977	
1978	
1979	
1980	
1981	
1982	
1983	4.5±
1984	

(c) Description of the reclamation procedures used during the report period, including:

1. Average depth of topsoil applied.
None. See Attachment 1

2. Type of seed (species) used for seeding during the report period.
N/A

3. Date of seeding during the report period. None. See Attachment 1

Spring

Fall

4. Seeding procedures used.

(Hand broadcast or drilled or any other).

N/A

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)

N/A

6. Type and rate of fertilizer applied.

N/A

7. Type and rate of mulch applied.

N/A

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).

N/A

9. Revegetation test plot information.

(Cover, density, productivity, etc.)

N/A

10. Soil analysis results.
N/A

(d) Description of results of previous revegetation efforts, including: (This should be done as applicable.)

1. Types (species) of seed that have germinated and are growing.*
Rye, some wheatgrasses. Some yellow sweet clover.

*Area subsoil, not topsoil. Results positive.

2. Types (species) of seed that are not growing successfully.*
Brome

*Area is subsoil, not topsoil.

3. Areas experiencing problems with weeds and weed types.
None

4. Significant erosional problems.
None

5. Areas of unsuitable overburden on the surface as related to revegetation failure.
Unknown

6. Procedures used or proposed to correct these problems.
Unknown

7. Acreage and dates of release (upon inspection by the State) of revegetated areas. N/A

Area	Date	Acreage

8. Results of soil analysis.
N/A

(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis.

N/A

	Acres	Cost/Acre
1. Grading		
2. Backfilling		
3. Contouring		
4. Topsoil Replacement		
5. Seeding		
A. Seedbed Preparation		
B. Mulch		
C. Fertilizer		
D. Seed		
6. Other		

BOND INFORMATION:

A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	Amount	Type	Date Posted
Present Bond	$5,745,331	Self	4-28-83

Increased disturbance, if any:

Increased Bond Amount (attached reclamation estimate).

B. Bond release. N/A

Acres	Bond Amount Released	Date

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

(a) Permit stipulations (status).
(b) Other special conditions (status).

APPENDIX I

ANNUAL REPORT MAPS

1. Maps must be clear and legible contour maps or recent aerial photos. The scale should be 1 inch = 500 feet to adequately show topographic features.

2. Map sheets should be of a reasonable size, not to exceed 48 inches on a side.

3. Maps must have a title block with:

   A. Map title.
   B. Name and address of permittee.
   C. Permit and amendment numbers.
   D. Annual report period.
   E. Scale, north arrow, contour interval, date of photography, etc.

4. All maps must show:

   A. Legal subdivisions.
   B. Permit area boundary clearly shown and labelled.
   C. Amendment areas clearly shown and labelled.
   D. Contour features.

5. The following features should all be clearly identified:

   A. Topsoil stockpiles (numbered and with volumes).
   B. Settling ponds and sediment control structures.
   C. Haul roads.
   D. Pits identified by location, name, number, etc.
   E. Ramps (numbered).
   F. Out-of-pit spoil dumps.
   G. All waste disposal sites including, but not limited to:
      1. Landfill sites.
      2. Carbonaceous waste dumps.
   H. Diversion ditches.
   I. Monitoring sites.

6. All areas to be affected by mining and reclamation in the coming year should be outlined and labelled.

GETTY MINING COMPANY - MERCUR
ACT/045/017

ATTACHMENT 1

No revegetation work occurred at Mercur during 1984. Factors contributing to this decision are as follows:

- Lack of ultimately disturbed areas upon which to perform revegetation work.

- Areas seeded in the fall of 1983 were allowed to develop in 1984 without additional seeding. Evaluation of this 4.5 acres will be performed in the spring of 1985 to determine self-propagation characteristics.

- Areas available for seeding in 1984 required hydroseeding application. Due to operating cost concerns as a result of the pending sale of Mercur by Texaco, this effort was delayed.

Revegetation work is scheduled for 1985. A portion of the lower Sacramento Gulch dump has reached ultimate configuration and has been covered with a mixture of topsoil, subsoil, and/or soily type material. Seeding of this dump face slope, either by hand or hydroseeder, will be completed in 1985.

Areas seeded in the fall of 1983 will be evaluated and re-seeded as necessary. Pending suitable drying conditions, all topsoil piles will be shaped and seeded. Experimental test plots will be established at the visitor's overlook area by fall 1985. Seed mixtures, material types, and other experimental parameters will be developed over the course of the spring and summer to allow seeding in the fall of 1985. Results will be evaluated in the spring of 1986.

Topsoil salvaging will continue for all areas scheduled and permitted for disturbance. Topsoil retrieved will be placed and shaped on existing topsoil piles, space permitting. If additional topsoil stockpile sites are required, all siting and construction procedures presently approved by the Division will be followed.

GETTY MINING COMPANY - MERCUR MINE

ATTACHMENT 2

Geological Drilling Report
1984

During 1984, a total of 144 holes were drilled in the Mercur area. Of the 144, 6 holes are classified as exploration and 138 are classified as infill.

The six exploration holes are immediately south of the Mercur pit. Five of these holes are open with a PVC pipe in the hole at the collar. The remaining exploration hole was converted to a piezometer, backfilled, and capped with a bentonite plug. The 138 infill holes remain open as they lie within proposed ultimate pit boundaries. All infill holes are fitted with a piece of PVC pipe in the collar.

All exploration and infill holes are 5¼ inches in diameter. All holes were drilled by reverse circulation drill steel utilizing either a down-the-hole hammer or a tricone bit. Most holes were drilled dry; however, a few required water injection. Drilling chemicals were rarely added to the water during water injected drilling, and when utilized, a biodegradable foam or polymer mud was used.

All drill access roads outside of the proposed Mercur, Sacramento, Marion, or Golden Gate pit disturbance areas will be seeded in 1985. Topsoil salvaged will be reapplied prior to seeding.